

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		((checker\$3 near3 (signal\$1 sampl\$5)) and (suar\$3 near4 (signal\$1 sampl\$5))) and ((second another plur\$4 multiple several two group three vary\$4 variable varied adjust\$4 modify\$) near3 near3 sampl\$ sharp\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/13 19:19
S1	0	image and ((checker\$2 and square) near3 sampl\$4) and (sharp\$4 near5 enhance\$4)	USPAT	OR	OFF	2003/07/15 15:14
S2	0	image and ((checker\$2 and square) near5 sampl\$4) and (sharp\$4 near5 enhance\$4)	USPAT	OR	OFF	2003/07/15 10:35
S3	0	image and ((checker\$2 and square) near5 sampl\$4)	USPAT	OR	OFF	2003/07/15 10:35
S4	0	((checker\$2 and square) near5 sampl\$4)	USPAT	OR	OFF	2003/07/15 10:36
S5	6348	((checker\$2 or square) near5 sampl\$4)	USPAT	OR	OFF	2003/07/15 10:36
S6	1660	((checker\$2 or square) near5 sampl\$4) and image	USPAT	OR	OFF	2003/07/15 10:36
S7	15	((checker\$2 or square) near5 sampl\$4) and image) and (sharp\$4 near3 enhance\$5)	USPAT	OR	OFF	2003/07/15 10:37
S8	12	image and (checker\$2 and square) and (sharp\$4 near5 enhance\$4)	USPAT	OR	OFF	2003/07/15 15:23
S9	10081	ITo.in.	USPAT	OR	OFF	2003/07/15 15:24
S10	499	ITo.in. and sampling	USPAT	OR	OFF	2003/07/15 15:24
S11	89	(ITo.in. and sampling) and sharp\$4	USPAT	OR	OFF	2005/09/12 15:12
S12	1102	(digital near1 camera\$1) and sampling	USPAT	OR	OFF	2003/07/15 15:28
S13	44	((digital near1 camera\$1) and sampling) and checker\$2	USPAT	OR	OFF	2003/07/15 15:36
S14	9	((digital near1 camera\$1) and sampling) and checker\$2) and square	USPAT	OR	OFF	2003/07/15 15:28
S15	668	382/260,261,262,263.ccls.	USPAT	OR	OFF	2003/07/15 15:42
S16	267	382/260,261,262,263.ccls. and sharp\$4	USPAT	OR	OFF	2003/07/15 15:42
S17	37	382/260,261,262,263.ccls. and (sharp\$4 near2 enhance\$4)	USPAT	OR	OFF	2003/07/15 15:49
S18	113945	(frequency or Nyquist) and (checker\$2 or square)	USPAT	OR	OFF	2003/07/16 14:04
S19	0	(frequency or Nyquist) and ((checker\$2 and square) near3 sampling)	USPAT	OR	OFF	2003/07/16 14:05
S20	0	(frequency or Nyquist) and ((checker\$2 and square) near5 transform\$6)	USPAT	OR	OFF	2003/07/16 14:06
S21	0	((checker\$2 and square) near5 transform\$6)	USPAT	OR	OFF	2003/07/16 14:06

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S22	712	(frequency or Nyquist) and (checker\$2 and square)	USPAT	OR	OFF	2003/07/16 15:43
S23	87	(frequency or Nyquist) and (checker\$2 and square) and CCD	USPAT	OR	OFF	2003/07/16 15:56
S24	2	(frequency or Nyquist) and (checker\$2 near3 sampling) and CCD	USPAT	OR	OFF	2003/07/16 15:57
S25	2	(checker\$2 near3 sampling) and CCD	USPAT	OR	OFF	2003/07/16 15:58
S26	24	checker\$2 near3 sampling	USPAT	OR	OFF	2003/07/16 16:00
S27	362	square near3 sampling	USPAT	OR	OFF	2003/07/16 16:02
S28	32	(square near3 sampling) and (CCD or (digital near3 camera))	USPAT	OR	OFF	2003/07/16 16:06
S29	1	checkered near3 sampling	USPAT	OR	OFF	2003/07/17 15:04
S30	24	checker\$2 near3 sampling	USPAT	OR	OFF	2003/07/17 15:08
S31	2958	((digital near3 camera) or CCD) and CMOS	USPAT	OR	OFF	2003/07/17 15:09
S32	853	((digital near3 camera) or CCD) and CMOS and sampling	USPAT	OR	OFF	2003/07/17 15:18
S33	2	((((digital near3 camera) or CCD) and CMOS) and sampling) and (sharpness near5 (enhance\$4 or restoration))	USPAT	OR	OFF	2003/07/17 15:11
S34	23	((digital near3 camera) or CCD) and CMOS and (sampling near3 (transformation or conversion or interpolation))	USPAT	OR	OFF	2003/07/17 15:13
S35	2	((((digital near3 camera) or CCD) and CMOS) and sampling) and ((rhombus or rhombic or rhombii) and square)	USPAT	OR	OFF	2003/07/17 15:32
S36	152	((((digital near3 camera) or CCD) and CMOS) and sampling) and (rectangular and square)	USPAT	OR	OFF	2003/07/17 15:34
S37	0	((((digital near3 camera) or CCD) and CMOS) and sampling) and ((rectangular and square) near3 frequency)	USPAT	OR	OFF	2003/07/17 15:35
S38	0	((((digital near3 camera) or CCD) and CMOS) and sampling) and ((rectangular and square) near3 frequency)	USPAT	OR	OFF	2003/07/17 15:35
S39	37	(frequency or sampling) near5 (rectangular and square)	USPAT	OR	OFF	2003/07/17 15:40
S40	0	(frequency or sampling) near5 ((rhombus or rhombic) and square)	USPAT	OR	OFF	2003/07/17 15:41
S41	205	((frequency or sampling) near5 (transformation or conversion or interpolation)) same camera	USPAT	OR	OFF	2003/07/17 15:50
S42	107	((frequency or sampling) near5 (transformation or conversion or interpolation)) same CMOS	USPAT	OR	OFF	2003/07/17 16:02
S43	15	((checkered or rhombic or rhombus or rhombi) and square) same sampling	USPAT	OR	OFF	2003/07/17 16:09

## EAST Search History (Prior Art)

S44	1176	sampling and spline	USPAT	OR	OFF	2003/07/17 16:09
S45	135	(sampling and spline ) and (CCD or CMOS)	USPAT	OR	OFF	2003/07/17 16:09
S46	10661	sampl\$4 and diagonal	USPAT	OR	OFF	2003/07/22 15:32
S47	5139	(sampl\$4 and diagonal) and horizontal	USPAT	OR	OFF	2003/07/22 15:27
S48	4380	((sampl\$4 and diagonal) and horizontal) and vertical	USPAT	OR	OFF	2003/07/22 15:28
S49	3629	((((sampl\$4 and diagonal) and horizontal) and vertical) and (conversion or conver\$5 or transform\$6))	USPAT	OR	OFF	2003/07/22 15:29
S50	925	(((((sampl\$4 and diagonal) and horizontal) and vertical) and (conversion or conver\$5 or transform\$6)) and interpolation	USPAT	OR	OFF	2003/07/22 15:31
S51	6	sampl\$4 near3 (diagonal and horizontal)	USPAT	OR	OFF	2003/07/22 15:35
S52	1	sampl\$4 near3 (diagonal and square)	USPAT	OR	OFF	2003/07/22 15:36
S53	207	sampl\$4 near3 diagonal	USPAT	OR	OFF	2003/07/22 15:38
S54	3	(sampl\$4 near3 diagonal) near5 detect\$4	USPAT	OR	OFF	2003/07/22 15:40
S55	476	checkered and square	USPAT	OR	OFF	2003/07/22 15:40
S56	0	(checkered and square) near3 sampl\$4	USPAT	OR	OFF	2003/07/22 15:40
S57	4065	(checkered or square) near3 sampl\$4	USPAT	OR	OFF	2003/07/22 15:41
S58	82	((checkered or square) near3 sampl\$4) near5 detect\$4	USPAT	OR	OFF	2003/07/22 15:41
S59	5	((checker\$2 or diagonal or diamond or rhmbic or rhombus or rhombii) and (square or (horizontal and vertical) or rectangle)) near3 sampl\$3	USPAT	OR	OFF	2003/07/23 15:25
S60	1893	((checker\$2 or diagonal or diamond or rhombic or rhombus or rhombii) or (square or (horizontal and vertical) or rectangle)) near3 sampl\$3	USPAT	OR	OFF	2003/07/23 15:27
S61	5	((checker\$2 or diagonal or diamond or rhmbic or rhombus or rhombii) and (square or (horizontal and vertical) or rectangle)) near3 sampl\$3	USPAT	OR	OFF	2003/07/23 15:27
S62	6	((((checker\$2 or diagonal or diamond or rhombic or rhombus or rhombii) or (square or (horizontal and vertical) or rectangle)) near3 sampl\$3 ) and (sharpness near2 (enhance\$4 or restor\$6))	USPAT	OR	OFF	2003/07/23 15:28
S63	194	(digital near3 camera) and sampling and (sharpness or gradation)	USPAT	OR	OFF	2003/07/23 16:19
S64	37	(digital near3 camera) and (sampling near3 (detect\$3 or determin\$5)) and (sharpness or gradation)	USPAT	OR	OFF	2003/07/23 16:28
S65	23302	(sampling near3 ((detect\$3 or determin\$5) or (conver\$5 or transform\$6)))	USPAT	OR	OFF	2003/07/23 16:32

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S66	16840	((sampling near3 ((detect\$3 or determin\$5) or (conver\$5 or transform\$6)))) and digital	USPAT	OR	OFF	2003/07/23 16:31
S67	9585	(sampling near3 (conver\$5 or transform\$6))	USPAT	OR	OFF	2003/07/23 16:44
S68	8739	((sampling near3 (conver\$5 or transform\$6))) and digital	USPAT	OR	OFF	2003/07/23 16:32
S69	112	((sampling near3 (conver\$5 or transform\$6))) and digital) and (checker\$2 or rhombic)	USPAT	OR	OFF	2003/07/23 16:34
S70	134	(sampling near3 (conver\$5 or transform\$6)) and (digital near2 camera)	USPAT	OR	OFF	2003/07/23 16:45
S71	1	checkered near3 sampling	USPAT	OR	OFF	2003/07/24 08:20
S72	12694	sampling and (CCD or camera) and (linear near\$4 filter\$3)	USPAT	OR	OFF	2003/07/24 10:58
S73	1078	(sampling near3 (conversion or convert\$3 or transform\$3)) and (CCD or camera) and (linear near\$4 filter\$3)	USPAT	OR	OFF	2003/07/24 10:24
S74	736	((sampling near3 (conversion or convert\$3 or transform\$3)) and (CCD or camera) and (linear near\$4 filter\$3)) and (square or (horizontal and vertical))	USPAT	OR	OFF	2003/07/24 10:49
S75	337	((sampling near3 (conversion or convert\$3 or transform\$3)) and (CCD or camera) and (linear near\$4 filter\$3)) and (square or (horizontal and vertical))) and interpolat\$3	USPAT	OR	OFF	2003/07/24 10:26
S76	338	((sampling near3 (conversion or convert\$3 or transform\$3)) and (CCD or camera) and (linear near\$4 filter\$3)) and (square or (horizontal and vertical))) and interpolat\$6	USPAT	OR	OFF	2003/07/24 10:26
S77	36	((sampling near3 (conversion or convert\$3 or transform\$3)) and (CCD or camera) and (linear near\$4 filter\$3)) and ((square or (horizontal and vertical)) near3 sampl\$3)	USPAT	OR	OFF	2003/07/24 10:50
S78	90	((sampling same (CCD or camera)) same square) and (linear near\$4 filter\$3)	USPAT	OR	OFF	2003/07/24 12:41
S79	7	(checkered and square) same ((digital near1 camera) or CCD)	USPAT	OR	OFF	2003/07/24 12:43
S80	476	checkered and square	USPAT	OR	OFF	2003/07/24 12:44
S81	0	(checkered and square) near3 (conversion or transform or transformation or convert or interpolat\$6)	USPAT	OR	OFF	2003/07/24 12:46
S82	2	(checkered and square) and (digital near4 camera)	JPO	OR	OFF	2003/07/24 12:47
S83	32	checkered and square	JPO	OR	OFF	2003/07/24 13:33
S84	2	checkered near2 sampling	JPO	OR	OFF	2003/07/24 13:34
S85	1	checkered near2 sampling	USPAT	OR	OFF	2003/07/24 13:34
S86	2	checkered near5 sampling	USPAT	OR	OFF	2003/07/24 13:34

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S87	48	pixel near3 array near3 offset	USPAT	OR	OFF	2003/07/24 14:57
S88	60	348/272,274,275,277,278,279,280.ccls. and offset	USPAT	OR	OFF	2003/07/24 14:58
S89	41	(348/272,274,275,277,278,279,280.ccls. and offset) and array	USPAT	OR	OFF	2003/07/24 15:09
S90	2100	offset near3 array	USPAT	OR	OFF	2003/07/24 15:09
S91	554	(offset near3 array) and filter\$1	USPAT	OR	OFF	2003/07/24 15:09
S92	114	((offset near3 array) and filter\$1) and interpolation	USPAT	OR	OFF	2003/07/24 15:10
S93	280	348/272,274,275,277,278,279,280.ccls.	USPAT	OR	OFF	2003/07/24 15:38
S94	1451	frequency and sampling and sharpness	USPAT	OR	OFF	2003/07/26 15:27
S95	1126	(frequency and sampling and sharpness) and image	USPAT	OR	OFF	2003/07/26 15:29
S96	73	((frequency and sampling and sharpness) and image) and (digital near2 camera)	USPAT	OR	OFF	2003/07/26 15:30
S97	5	(image near5 (frequency near2 sampling)) same sharpness	USPAT	OR	OFF	2003/07/26 15:59
S98	5	(image near5 DCT) same sharpness	USPAT	OR	OFF	2003/07/26 16:06
S99	6	(image same DCT) same sharpness	USPAT	OR	OFF	2003/07/26 16:06
S100	103	(image same sampling) same sharpness	USPAT	OR	OFF	2003/07/26 16:07
S101	3	"6181376".pn.",6563538".pn.",6097847".pn.	USPAT	OR	OFF	2003/07/26 17:59
S102	3	"6181376".pn.",6563538".pn.",6097847".pn.	USPAT	OR	OFF	2004/05/01 16:13
S103	202240	image\$1 and sampl\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 14:29
S104	66	(image\$1 and sampl\$4) and (saml\$4 near3 (square and check\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 14:32
S105	158	((saml\$4 near3 (square and check\$6))) and imag\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 14:32
S106	0	((saml\$4 near3 (square and check\$6))) and imag\$3) and ((square and check\$4) near3 (convert\$5 or chang\$6 or transform\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 14:34

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S10 7	98	((square and check\$4) near3 (convert\$5 or chang\$6 or transform\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 14:35
S10 8	8	((square same check\$4) near3 (convert\$5 or chang\$6 or transform\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 14:35
S10 9	239	(sampl\$4 near3 (square and check\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 14:36
S11 0	132	((sampl\$4 near3 (square and check\$6))) and ((adjust\$6 or modify\$6 or alter\$6 or chang\$6 or transform\$6) near3 signal\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 14:38
S11 1	132	((sampl\$4 near3 (square and check\$6))) and ((adjust\$6 or append\$4 or modify\$6 or alter\$6 or chang\$6 or transform\$6) near3 signal\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 14:38
S11 2	5	"6181376".pn.",6563538".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/15 15:20
S11 3	2149	sampl\$4 same sharpness	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/12 15:13
S11 4	86	(sampl\$4 near7 (append\$4 chang\$4 alter\$7 modif\$7)) same sharpness	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/12 15:14
S11 5	785	382/260.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/16 13:35
S11 6	0	S115 and sampl44	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/16 13:35

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S11 7	416	S115 and sampl\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/16 13:35
S11 8	81	S115 and sampl\$7 and sharpness	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/16 13:36
S11 9	5	S115 and sampl\$7 and (sharpness same (vertical\$4 and horizontal\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/16 13:39
S12 0	2	((imag\$4 signal\$3) near5 sampl\$7) same (sharpness near5 (vertical\$4 and horizontal\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/16 13:41
S12 1	31	((imag\$4 signal\$3) near5 sampl\$7) same (sharpness near7 (select\$4 type choos\$4 chos\$4 pick\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/16 14:38
S12 2	13158	382/100,260,254;348/606-624,392.1,399.1, 405.1,408.1,424.1,427.1;358/1.9-3.31,447, 461,463,532;359/213,286,307,339;708/300. cccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/02 09:16
S12 3	523	S122 and (sampl\$4 and sharpness)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/16 14:38
S12 4	73	S122 and sampl\$4 and (sharpness near7 (select\$4 typ\$4 choos\$4 chos\$4 pick\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/16 14:40
S12 5	3	S122 and (sampl\$4 same (sharpness near7 (select\$4 typ\$4 choos\$4 chos\$4 pick\$4)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/16 14:43
S12 6	51	S122 and ((sampl\$4 near5 (imag\$4 signal\$4)) same sharpness)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/16 14:54

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S12 7	117	S122 and ((check\$5 and squar\$4) same somp\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/16 15:31
S12 8	20	S122 and ((check\$5 and squar\$4) near6 somp\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/16 14:57
S12 9	102	S122 and ((check\$5 and squar\$4) near6 (somp\$4 pattern\$4)) and (transform44 convert\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/16 14:58
S13 0	82	S129 not S128	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/16 14:59
S13 1	13158	382/100,260,254;348/606-624,392.1,399.1, 405.1,408.1,424.1,427.1;358/1.9-3.31,447, 461,463,532;359/213,286,307,339;708/300. ccs.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/16 15:44
S13 2	98	S131 and ((check\$5 and squar\$4) same somp\$4) and interpolat\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/16 15:31
S13 3	404	S131 and nyqu\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/16 15:45
S13 4	173	S133 and interpolat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/16 15:46
S13 5	170	S133 and interpolat\$4 and filter\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/16 15:49
S13 6	108	S135 and (check\$4 squar\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/16 15:49
S13 7	51	(saml\$7 and sharpness).clm.	US-PGPUB	OR	OFF	2005/09/16 15:57

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S13 8	2	(suar\$4 and check\$4 and sampl\$5 and interpolat\$7).clm.	US-PGPUB	OR	OFF	2005/09/16 15:59
S13 9	16	"6181376".pn.",6563538".pn.",6097847".pn.",6295322".pn.",6188804".pn.",6295087".pn.",5323233".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 08:50
S14 0	22191	382/100,254,260,261,262,263,264,265,266,272,274,275,277,278,279,280;348/606-624,392.1,399.1,405.1,408.1,424.1,427.1;358/1.9-3.31,447,461,463,532;359/213,286,307,339;708/300.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/02 09:17
S14 1	0	S140 and sampl\$4 and sharp44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 09:18
S14 2	2369	S140 and sampl\$4 and sharp\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 10:13
S14 3	162	S142 and ((suar\$4 and (check\$2 diamond\$4 rectangular)) same sampl\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 10:15
S14 4	12	S142 and ((suar\$4 and (check\$2 diamond\$4 rectangular)) same sampl\$4) and ((increas\$4 enhanc\$5 improv\$6) near6 sharp\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 09:20
S14 5	5982	((imag\$4 frame\$3 signal\$4) near4 sampl\$4) and ((improv\$6 enhanc\$6 chang\$4 increas\$5) near5 sharp\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 10:14
S14 6	146	S142 and (((suar\$4 latt\$4) and (check\$2 diamond\$4 rectangular)) same sampl\$4) and interpolat\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 10:16

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S14 7	170	S142 and (((suar\$4 latt\$4) and (check\$2 diamond\$4 rectangular)) same sampl\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 10:18
S14 8	2299	(((suar\$4 latt\$4) and (check\$2 diamond\$4 rectangular)) same sampl\$4) and interpolat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 10:18
S14 9	197	(((suar\$4 latt\$4) and (check\$2 diamond\$4 rectangular)) same sampl\$4) same interpolat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 10:19
S15 0	140	S149 and imag\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/02 10:19
S15 1	5	"6181376".pn.",6563538".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/06 14:53
S15 2	20392	382/100,260,254;348/606-624,392.1,399.1,405.1,408.1,424.1,427.1;358/1.9-3.31,447,461,463,532;359/213,286,307,339;708/300.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/11/24 09:52
S15 3	7617	S152 and sampl\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/24 09:52
S15 4	7580	S153 and ((different two another multiple couple plural\$4 series group\$4 several second) nera4 sharp\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/24 09:54
S15 5	191	S153 and ((different two another multiple couple plural\$4 series group\$4 several second) near4 sharp\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/24 09:54

## EAST Search History (Prior Art)

S156	27634	382/100,254,260,261,262,263,264,265,266,272,274,275,277,278,279,280;348/272,274,275,277,278,279,606-624,392.1,399.1,405.1,408.1,424.1,427.1;358/1.9-3.31,447,461,463,532;359/213,286,307,339;708/300.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/09/13 18:59
S157	261	S156 and ((sampl\$4 and (wavelength\$1 frequen\$4)) same sharp\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/13 19:07
S158	196	S156 and ((sampl\$4 and (wavelength\$1 frequen\$4)) same sharp\$6 same imag\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/13 19:07
S159	37	S158 and ((second another plur\$4 multiple several two group three vary\$4 variable varied adjust\$4 modify\$) near3 sharp\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/13 19:11
S160	2	((checker\$3 near3 (signal\$1 sampl\$5)) and (suar\$3 near4 (signal\$1 sampl\$5))) and ((second another plur\$4 multiple several two group three vary\$4 variable varied adjust\$4 modify\$) near3 sharp\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/13 19:20

## EAST Search History (I nterference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	((((checker\$3 near3 (signal\$1 sampl\$5)) and (suar\$3 near4 (signal\$1 sampl\$5))) and ((second another plur\$4 multiple several two group three vary\$4 variable varied adjust\$4 modify\$) near3 sharp\$4)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/13 19:24
L2	4	((imag\$4 same sampl\$4 same frequen\$4) same ((second another plur\$4 multiple several two group three vary\$4 variable varied adjust\$4 modify\$) near3 sharp\$4)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/13 19:26
L3	10	((imag\$4 same sampl\$4 same frequen\$4) and ((second another plur\$4 multiple several two group three vary\$4 variable varied adjust\$4 modify\$) near3 sharp\$4)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/13 19:27

## EAST Search History (Interference)

L4	12	((imag\$4 same sampl\$4 same frequen\$4) and ((second another plur\$4 multiple several two group three vary\$4 variable varied adjust\$4 modify\$ different) near6 sharp\$4)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/13 19:28
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